EIF4EBP2 antibody

Product Information

Catalog No.:	FNab02723
Size:	100μg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20℃ for 12 months(Avoid repeated freeze / thaw cycles.)

Background

Repressor of translation initiation involved in synaptic plasticity, learning and memory formation(By similarity). Regulates EIF4E activity by preventing its assembly into the eIF4F complex: hypophosphorylated form of EIF4EBP2 competes with EIF4G1/EIF4G3 and strongly binds to EIF4E, leading to repress translation. In contrast, hyperphosphorylated form dissociates from EIF4E, allowing interaction between EIF4G1/EIF4G3 and EIF4E, leading to initiation of translation(PubMed:25533957). EIF4EBP2 is enriched in brain and acts as a regulator of synapse activity and neuronal stem cell renewal via its ability to repress translation initiation(By similarity). Mediates the regulation of protein translation by hormones, growth factors and other stimuli that signal through the MAP kinase and mTORC1 pathways(By similarity).

Immunogen information

Immunogen:	eukaryotic translation initiation factor 4E binding protein 2
Synonyms:	Eukaryotic translation initiation factor 4E-binding protein 2 (4E-BP2, eIF4E-binding protein 2)|EIF4EBP2
Observed MW:	~20 kDa
Uniprot ID :	Q13542

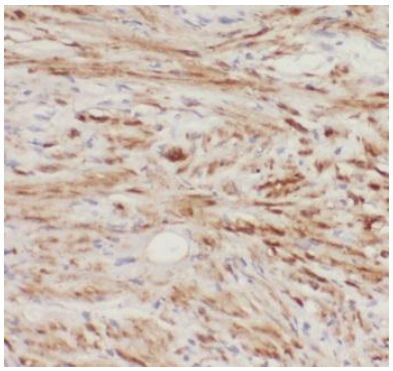
Application

Reactivity:	Human, Mouse

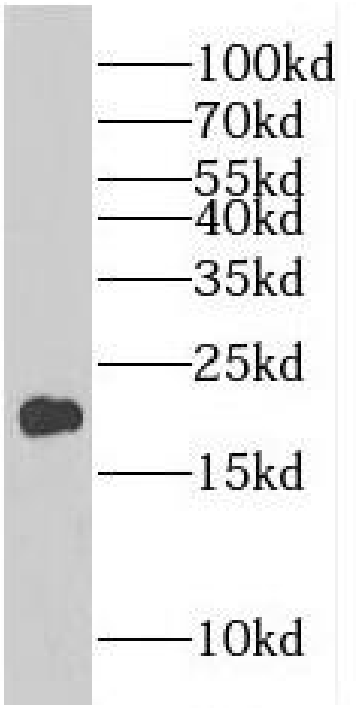
Tested Application: ELISA, IHC, WB

Recommended dilution: WB: 1:500-1:2000; IHC: 1:20-1:200

Image:



Immunohistochemistry of paraffin-embedded human prostate cancer using FNab02723(EIF4EBP2 antibody) at dilution of 1:100



mouse testis tissue were subjected to SDS PAGE followed by western blot with FNab02723(EIF4EBP2 Antibody) at dilution of 1:300